

Appendix A-3

APPENDIX A-3**MARTINEZ FACILITY EMISSION UNITS AND ASSOCIATED EMISSION SOURCES
TO BE PERMANENTLY SHUT DOWN AND HAVE ALL PERMITS SURRENDERED
BY NO LATER THAN SUBMITTAL DATE OF NOTICE OF CONVERSION**

Equipment Category	BAAQMD Source No.	Emission Unit and Associated Emission Sources	Idle Date for Consent Decree Paragraph 58.c	Excluded from Definition of CD Emissions Reductions if used only for permitting Martinez NPR Facility
FCCU	S802	FCCU	May 1, 2020	Not Excluded
	S804	FCCU Blowdown Tower	May 1, 2020	Not Excluded
	S822	Cracker Area Blowdown	May 1, 2020	Not Excluded
	S853	FCCU Feed Surge Drum	May 1, 2020	Not Excluded
	S901	No. 7 Boiler	May 1, 2020	Not Excluded
	S902	FCCU Startup Heater	May 1, 2020	Not Excluded
	S97	FCCU Catalyst Fines Hopper	May 1, 2020	Not Excluded
	S98	FCCU East Catalyst Hopper	May 1, 2020	Not Excluded
	S99	FCCU West Catalyst Hopper	May 1, 2020	Not Excluded
	A001	Fugitives – FCCU	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	A044	Fugitives – No. 7 Boiler	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
No. 6 Boiler [†]	S904	No. 6 Boiler	May 1, 2020	Not Excluded, except 2.129 tons per year NO _x emissions and all SO ₂ , VOC, PM ₁₀ and PM _{2.5} emissions excluded*
	A031	Fugitives – No. 6 Boiler	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
No. 50 Crude Unit [†]	S1001	No. 50 Crude Unit	May 1, 2020	Not Excluded
	S603	Tank A-603 – Desalter Break Tank [▲]	May 1, 2020	Not Excluded
	S606	No. 50 Unit Wastewater Air Stripper A	May 1, 2020	Not Excluded
	S607	No. 50 Unit Wastewater Air Stripper B	May 1, 2020	Not Excluded
	S834	No. 50 Crude Unit Blowdown Drum	May 1, 2020	Not Excluded
	S950	No. 50 Unit Crude Heater (F50)	May 1, 2020	Not Excluded, except 1.454 tons per year NO _x emissions and all SO ₂ , VOC, PM ₁₀ and PM _{2.5} emissions excluded*
	S987	No. 50 Cooling Tower (CT-016)	Nov. 1, 2020	Not Excluded, except VOC emissions excluded*

	S1484	Desalter Oil Water Separator	May 1, 2020	Not Excluded
	S1524	50 Unit Flare	Sept. 23, 2020	Not Excluded
	A016	Fugitives – No. 50 Crude Unit	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
No. 3 Crude/Vacuum Units†	S815	No. 1 Feed Prep	May 1, 2020	Not Excluded
	S816	No. 2 Feed Prep	May 1, 2020	Not Excluded
	S817	No. 3 Crude Unit	May 1, 2020	Not Excluded
	S909	No. 1 Feed Prep Heater (F9)	May 1, 2020	Not Excluded, except 0.392 tons per year NO _x emissions excluded*
	S912	No. 1 Feed Prep Heater (F12)	May 1, 2020	Not Excluded, except 0.594 tons per year NO _x emissions and all SO ₂ , VOC, PM ₁₀ and PM _{2.5} emissions excluded*
	S913	No. 2 Feed Prep Heater (F13)	May 1, 2020	Not Excluded, except 0.224 tons per year NO _x emissions excluded*
	S977	No. 3 Crude Cooling Tower (CT-048)	Nov. 1, 2020	Not Excluded, except VOC emissions excluded*
	S979	No. 2 Feed Prep Cooling Tower (CT-013)	Nov. 1, 2020	Not Excluded, except VOC emissions excluded*
	S1470	No. 3 Crude Vacuum Distillation Heater/No. 71 Furnace	May 1, 2020	Not Excluded, except 0.174 tons per year NO _x emissions excluded*
	S908	No. 3 Crude Heater (F8)	May 1, 2020	Not Excluded, except 1.064 tons per year NO _x emissions and all SO ₂ , VOC, PM ₁₀ and PM _{2.5} emissions excluded*
	A011	Fugitives – No. 1 Feed Prep Unit	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	A013	Fugitives – No. 2 Feed Prep Unit	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	A048	Fugitives – No. 3 Crude Unit	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
Reformer	S795	V-307 Perchloroethylene	May 1, 2020	Not Excluded
	S915	Platformer Intermediate Heater (F15)	May 1, 2020	Not Excluded, except 0.033 tons per year NO _x emissions excluded*
	S927	No. 2 Reformer Heat/Reheating (F27)	May 1, 2020	Not Excluded
	S951	No. 2 Reformer Auxiliary Reheater (F51)	May 1, 2020	Not Excluded
	S971	No. 3 Reformer UOP Furnace (F53)	May 1, 2020	Not Excluded, except 0.977 tons per year NO _x emissions and all SO ₂ , VOC, PM ₁₀ and PM _{2.5} emissions excluded*
	S972	No. 3 Reformer Debut. Reboiler (F54)	May 1, 2020	Not Excluded, except 0.150 tons per year NO _x emissions and all SO ₂ , VOC, PM ₁₀ and PM _{2.5} emissions excluded*
	S1004	No. 2 Catalytic Reformer	May 1, 2020	Not Excluded

	S1020	No. 3 UOP Reformer	May 1, 2020	Not Excluded
	S988	No. 3 Reformer Cooling Tower (CT-075)	Nov. 1, 2020	Not Excluded, except VOC emissions excluded*
	A075	Fugitives – No. 3 Reformer	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
Delayed Coker†	S1510	Delayed Coker	May 1, 2020	Not Excluded
	S1513	Coke Screen/Crusher	Nov. 1, 2020	Not Excluded
	S1514	Coke Silo No. 1	Nov. 1, 2020	Not Excluded
	S1515	Coke Silo No. 2	Nov. 1, 2020	Not Excluded
	S1516	Coker Truck Loadout	Nov. 1, 2020	Not Excluded
No. 1 HDS	S916	No. 1 HDS Heater (F16)	May 1, 2020	Not Excluded, except 0.171 tons per year NO _x emissions excluded*
	S917	No. 1 HDS Prefract Reboiler (F17)	May 1, 2020	Not Excluded, except 0.055 tons per year NO _x emissions excluded*
	S981	No. 1 HDS Cooling Tower	May 1, 2020	Not Excluded
No. 2 HDS	S921	No. 2 HDS Charge Heater (F21)	May 1, 2020	Not Excluded
No. 3 HDS	S974	No. 3 HDS Fract Feed Heater (F56)	May 1, 2020	Not Excluded, except 0.096 tons per year NO _x emissions excluded*
No. 4 Gas Plant†	S955	No. 4 Gas Plant Vapor Compressor (4064)	May 1, 2020	Not Excluded, except 0.328 tons per year NO _x emissions excluded*
	S956	No. 4 Gas Plant Vapor Compressor (4065)	May 1, 2020	Not Excluded, except 0.237 tons per year NO _x emissions excluded*
	S957	No. 4 Gas Plant Vapor Compressor (4066)	May 1, 2020	Not Excluded, except 0.152 tons per year NO _x emissions excluded*
	S958	No. 4 Gas Plant Vapor Compressor (4067)	May 1, 2020	Not Excluded, except 0.068 tons per year NO _x emissions excluded*
	S959	No. 4 Gas Plant Vapor Compressor (4068)	May 1, 2020	Not Excluded, except 0.219 tons per year NO _x emissions excluded*
	S960	No. 4 Gas Plant Vapor Compressor (4096)	May 1, 2020	Not Excluded, except 0.026 tons per year NO _x emissions excluded*
	S975	No. 4 Gas Cooling Tower (CT-007)	Dec. 1, 2020	Not Excluded, except VOC emissions excluded*
	A007	Fugitives – No. 4 Gas Plant	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
Alkylation Unit†	S1009	Alkylation Unit	May 1, 2020	Not Excluded
	A073	Fugitives – Alkylation Unit	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	S983	Alky/No. 2 Reformer Cooling Towers (CT-073 and CT-006)	Nov. 1, 2020	Not Excluded, except VOC emissions excluded*
SRP	S1401	Sulfur Recovery Unit	Dec. 5, 2020	Not Excluded, except 0.524 tons per year NO _x emissions excluded*
	S1404	Sulfur Storage Tank (A-756)	Dec. 5, 2020	Not Excluded
	S1405	Sulfur Collection Pit	Dec. 5, 2020	Not Excluded

	S1571	Sulfur Loading Truck Terminal	Dec. 5, 2020	Not Excluded
	A078	Fugitives – SCOT	Dec. 5, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	A081	Fugitives – Sulfur	Dec. 5, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	A1402	SCOT Tail Gas Unit	Dec. 5, 2020	Not Excluded
	A1525	SRU Stack Incinerator	Dec. 5, 2020	Not Excluded
Ammonia Recovery Unit	S851	Ammonia Recovery Unit	Dec. 5, 2020	Not Excluded
	S1013	Ammonia Plant Flare	Dec. 5, 2020	Not Excluded
	S1422	Sour Water Feed Tank	Dec. 5, 2020	Not Excluded
	A080	Fugitives – Ammonia Recovery Unit	Dec. 5, 2020	Not Excluded, except VOC emissions from monitored components excluded*
DEA Treating	S590	DEA Flash Drum	May 1, 2020	Not Excluded
	S771	Tank 2-A-713 – DEA*	May 1, 2020	Not Excluded
	S825	DEA Regenerator	May 1, 2020	Not Excluded
	S856	DEA Spare Stripper	May 1, 2020	Not Excluded
	A083	Fugitives – DEA Flash Drum & Spare DEA Stripper	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
	A014	Fugitives – DEA Regenerator	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
Sulfuric Acid Plant	S1411	Sulfuric Acid Mfg Plant	May 1, 2020	Not Excluded, except 2.481 tons per year NO _x emissions excluded*
	S1412	Sulfuric Acid Mfg Plant Startup Heater	May 1, 2020	Not Excluded
	S1413	No. 1 Oleum Tank A-763	May 1, 2020	Not Excluded
	S1415	H ₂ SO ₄ Loading Dock	May 1, 2020	Not Excluded
	S1416	No. 1 Spent Acid Tank A-746	May 1, 2020	Not Excluded
	A082	Fugitives – Acid Plant	May 1, 2020	Not Excluded, except VOC emissions from monitored components excluded*
Storage Tanks	S327	Tank A-327 – Caustic Waste	Dec. 31, 2022	Not Excluded
	S467	Tank A-467 -- Caustic	May 1, 2020	Not Excluded
	S495	Tank A-495 – Turbine Oil	May 1, 2020	Not Excluded
	S662	Tank A-662 – Gas Oil	May 1, 2020	Not Excluded
No. 1 HDA	S1006	No. 1 HDA Unit	May 1, 2020	Not Excluded

Butadiene Plant	S1040	Butadiene Plant	May 1, 2020	Not Excluded
No. 5 Gas Plant	S922	No. 5 Gas Debutanizer Reboiler	May 1, 2020	Not Excluded, except 0.418 tons per year NO _x emissions excluded*

† Equipment and components monitored for fugitive emissions that will remain in service as part of the Martinez NPR Facility may be physically interconnected with piping, utilities, or other components within this process unit. Nothing in this Appendix A-3 nor Paragraph 58.e of the First Material Modification shall require Tesoro to remove any such equipment or components from service, provided, however, that Tesoro shall use best efforts to reassign any such equipment or components to the BAAQMD fugitive area or source identification number associated with the appropriate operating process unit(s) at the Martinez NPR Facility.

* These exceptions to the definition of CD Emissions Reductions are based on Tesoro's (i) Application for Authority to Construct, dated September 30, 2020; (ii) Authority to Construct for Application No. 30768, dated September 13, 2022; and (iii) Alternative Compliance Plan Application for BAAQMD Rule 9-10, dated October 10, 2020, and the related approval dated November 30, 2022, which taken together amount to a total of twelve tons per year of NO_x, one ton per year of SO₂, and ten tons per year of VOC in available emission credits to be exclusively used for permitting purposes for the Martinez NPR Facility.

♠ Notwithstanding the deadlines in Paragraphs 59.e.i and 59.e.ii of Section V of this Consent Decree, Tesoro shall permanently shut down and surrender permits for Tank A-603 (BAAQMD Source No. S603) and Tank 2-A-713 (BAAQMD Source No. S771) by no later than December 31, 2023.